

FIG. 1

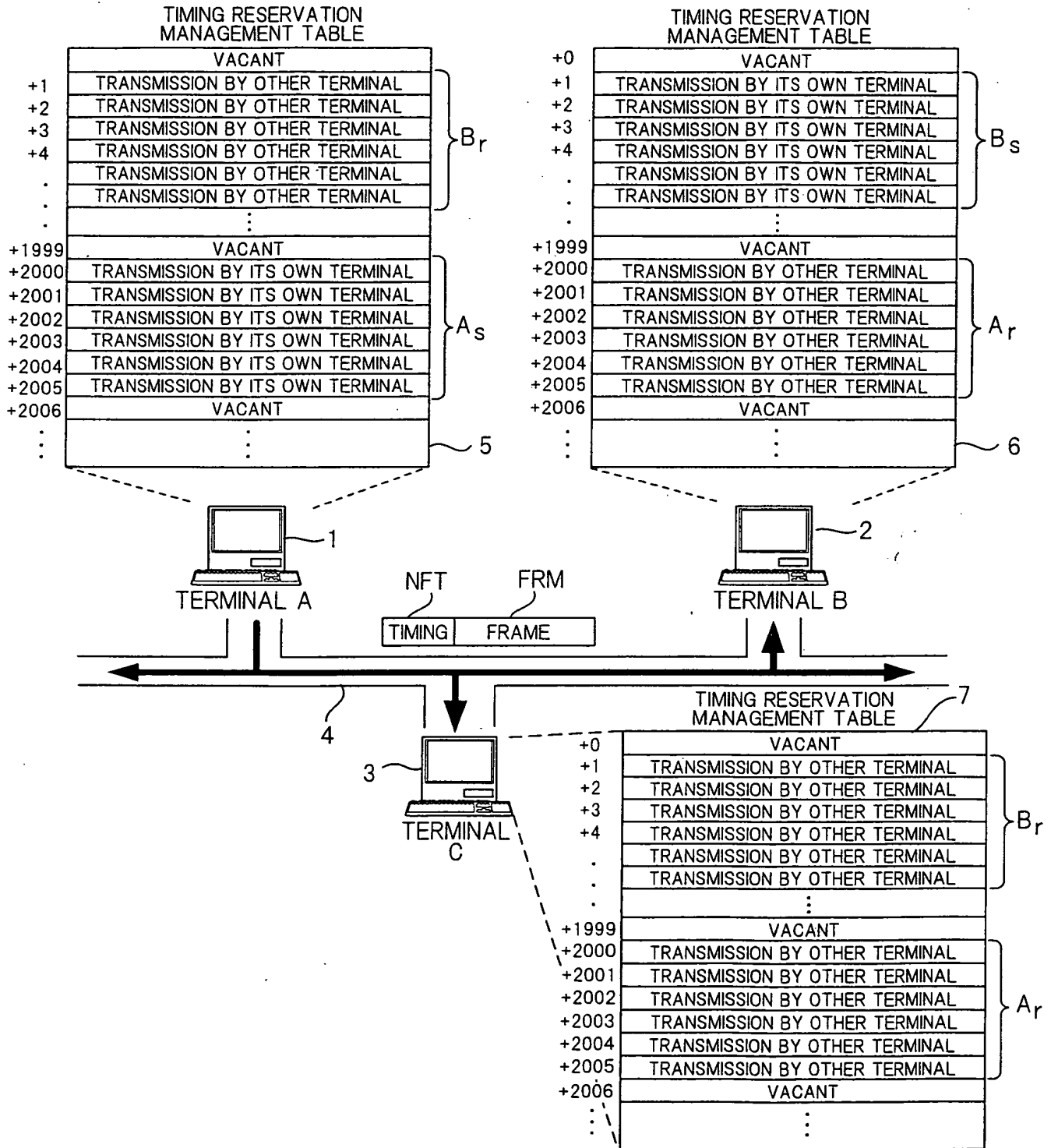
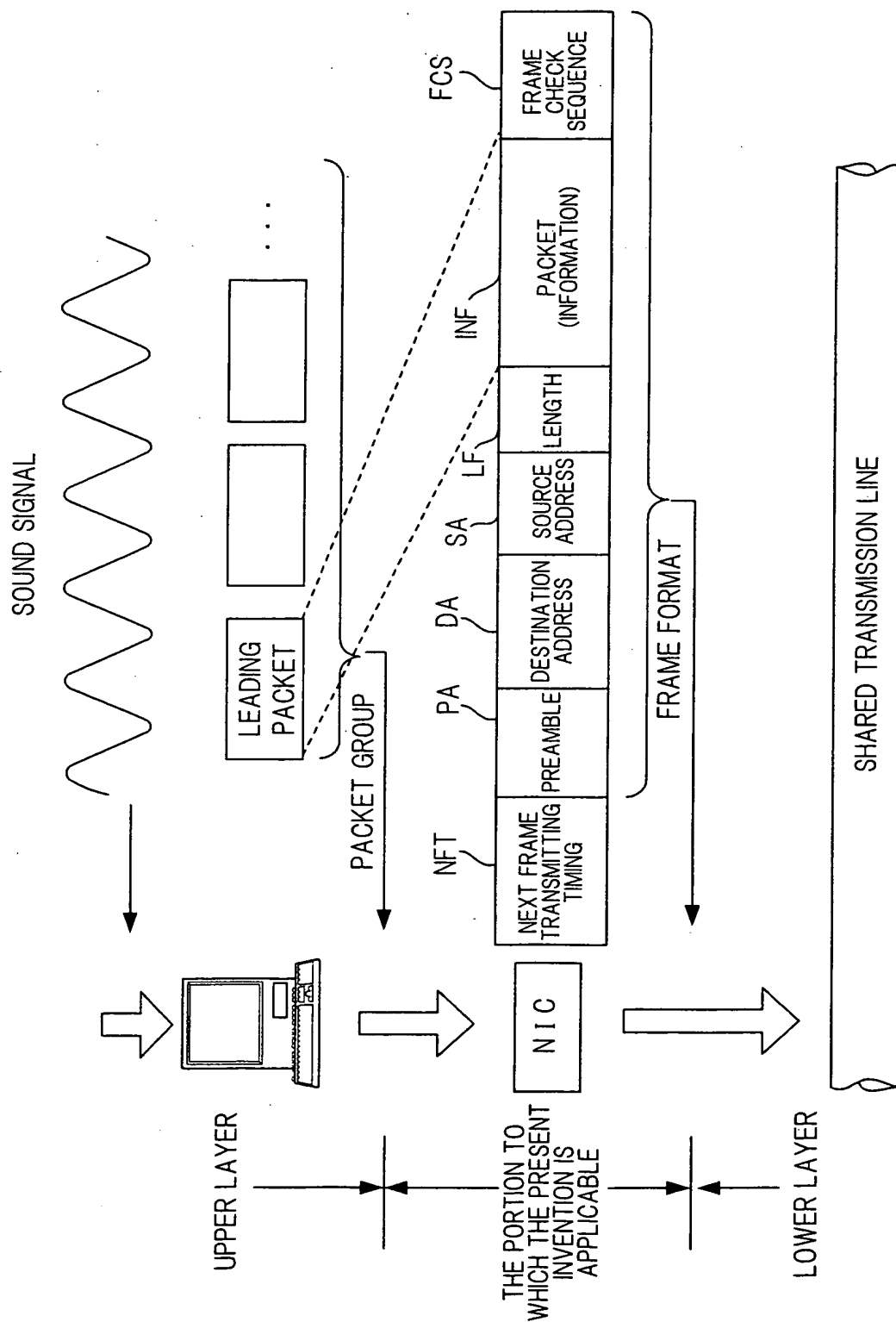
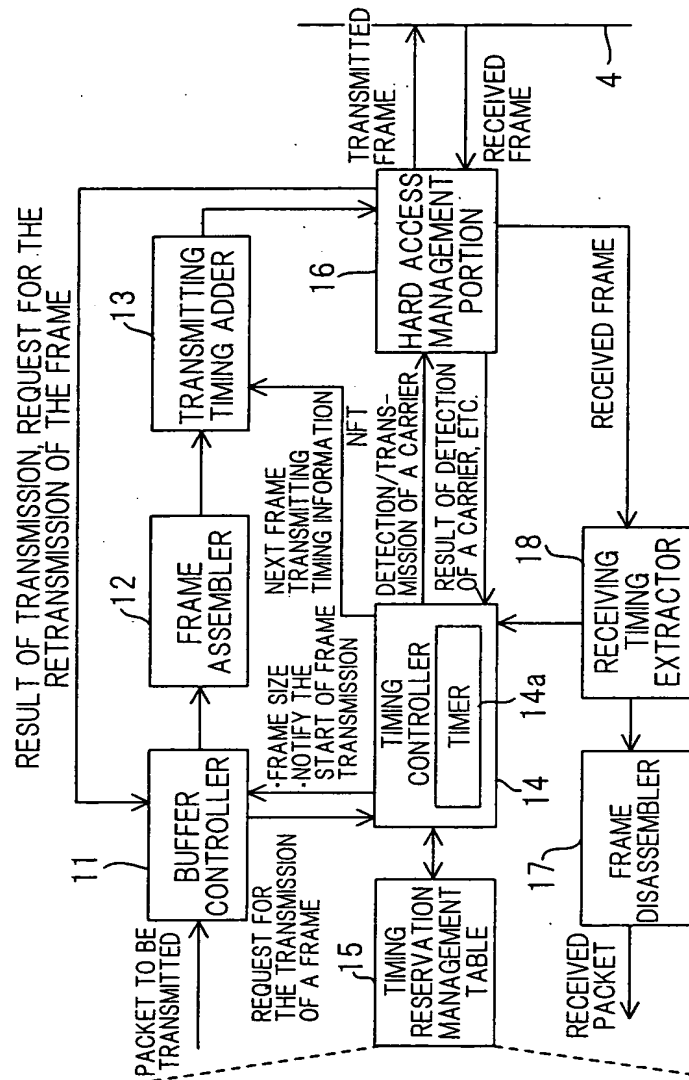


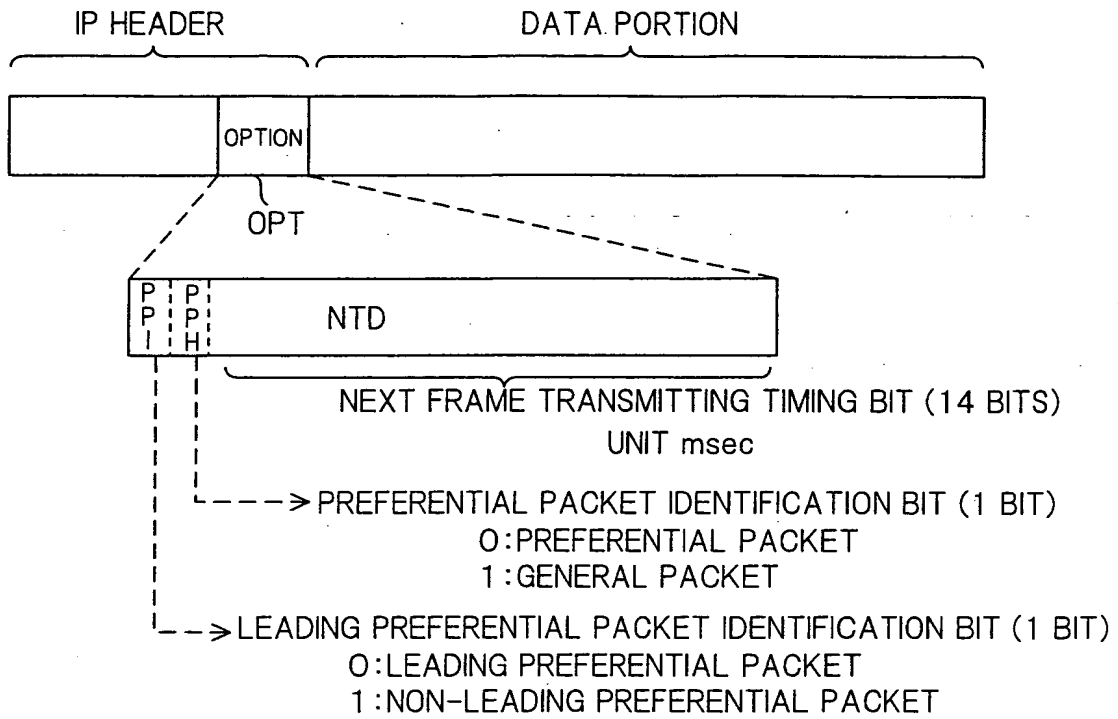
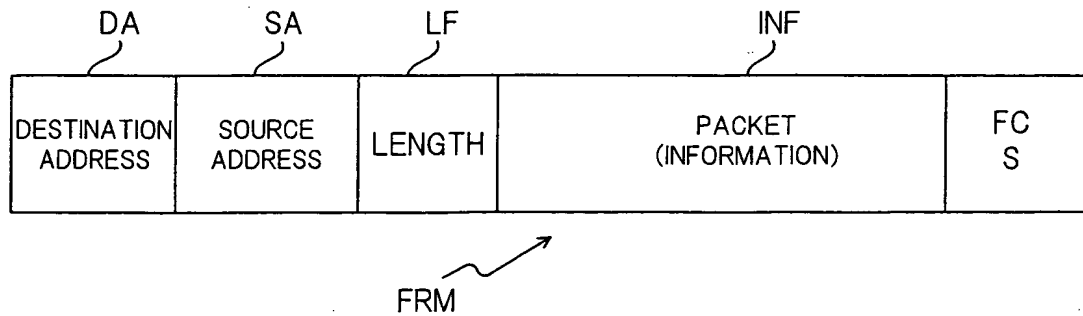
FIG. 2

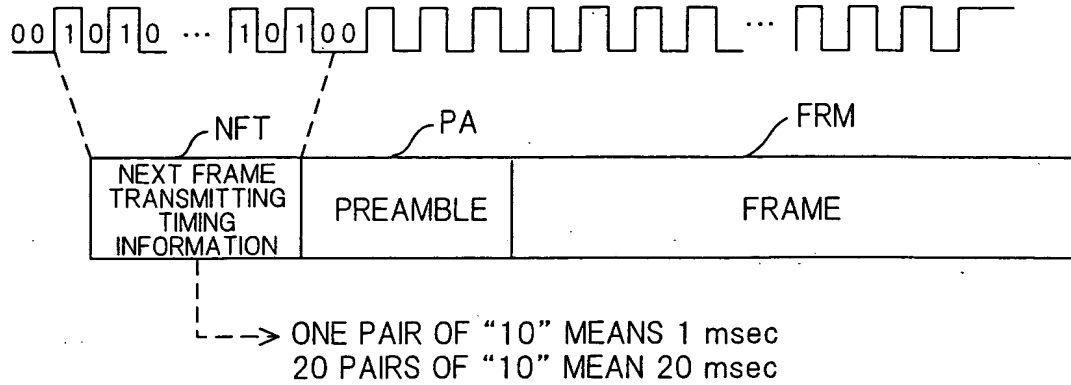
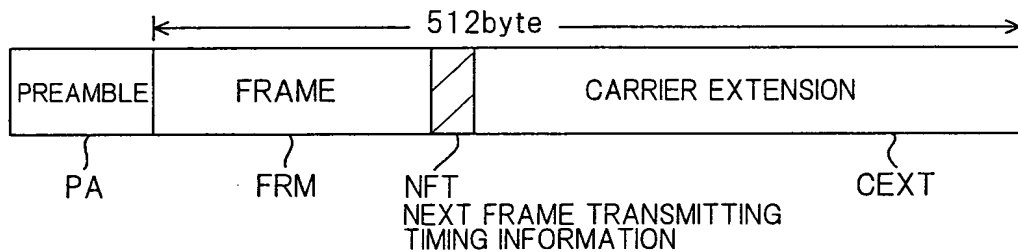
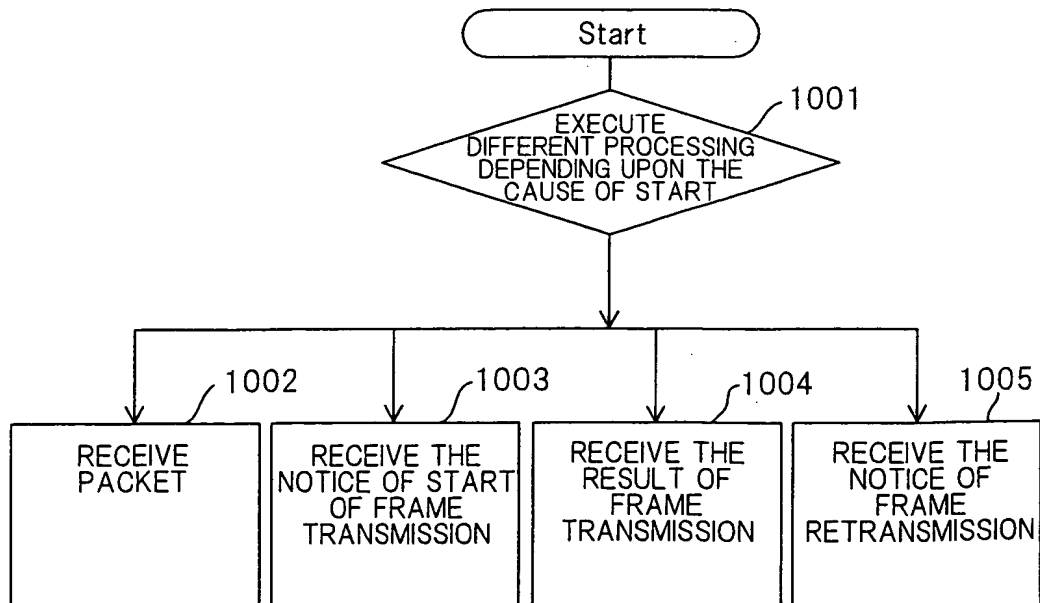


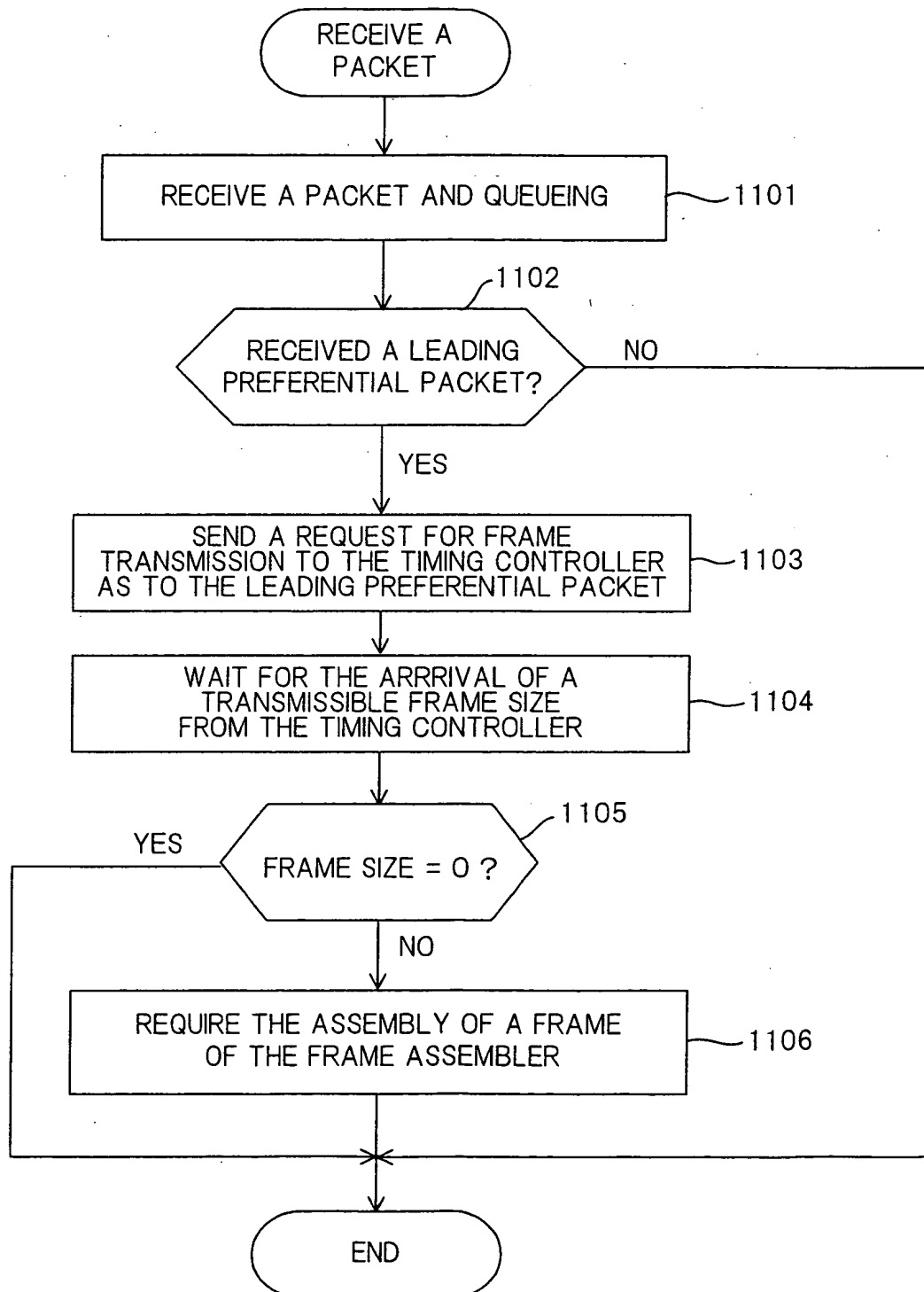
## TIMING RESERVATION MANAGEMENT TABLE

→ COUNT VALUE OF A QUANTIZED TIMING COUNTER

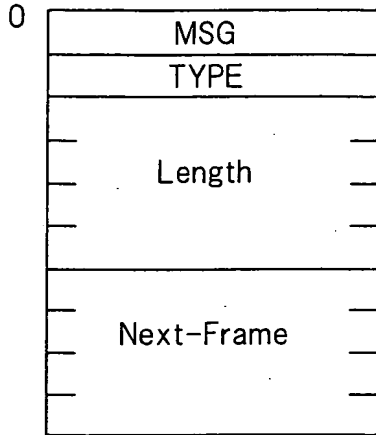


**FIG. 4****FIG. 5**

**FIG. 6A****FIG. 6B****FIG. 7**

**FIG. 8**

**FIG. 9A**



MSG: MESSAGE TYPE

01: REQUEST FOR FRAME TRANSMISSION

TYPE: FRAME TYPE

01: PREFERENTIAL FRAME (LEADING)

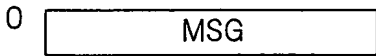
02: PREFERENTIAL FRAME (NON-LEADING)

03: GENERAL FRAME

Length: TRANSMISSION FRAME SIZE

Next-Frame: NEXT FRAME TRANSMITTING TIMING  
(msec)

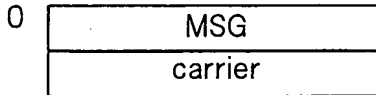
**FIG. 9B**



MSG: MESSAGE TYPE

OF: REQUEST FOR CARRIER

**FIG. 9C**



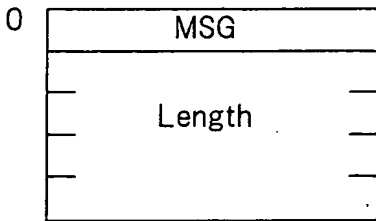
MSG: MESSAGE TYPE

10: NOTICE OF CARRIER

carrier: 01 CARRIER

02 NO CARRIER

**FIG. 9D**

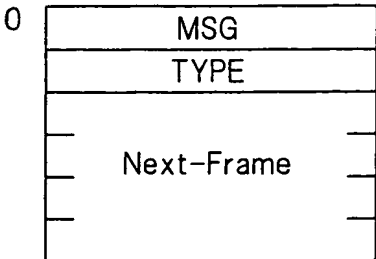


MSG: MESSAGE TYPE

02: TRANSMISSIBLE

Length: TRANSMISSIBLE FRAME SIZE

**FIG. 9E**



MSG: MESSAGE TYPE

03: TRANSMITTING TIMING

TYPE: FRAME TYPE

01: PREFERENTIAL FRAME (LEADING)

02: PREFERENTIAL FRAME (NON-LEADING)

03: GENERAL FRAME

Next-Frame: NEXT FRAME TRANSMITTING TIMING  
(msec)

**FIG. 10**

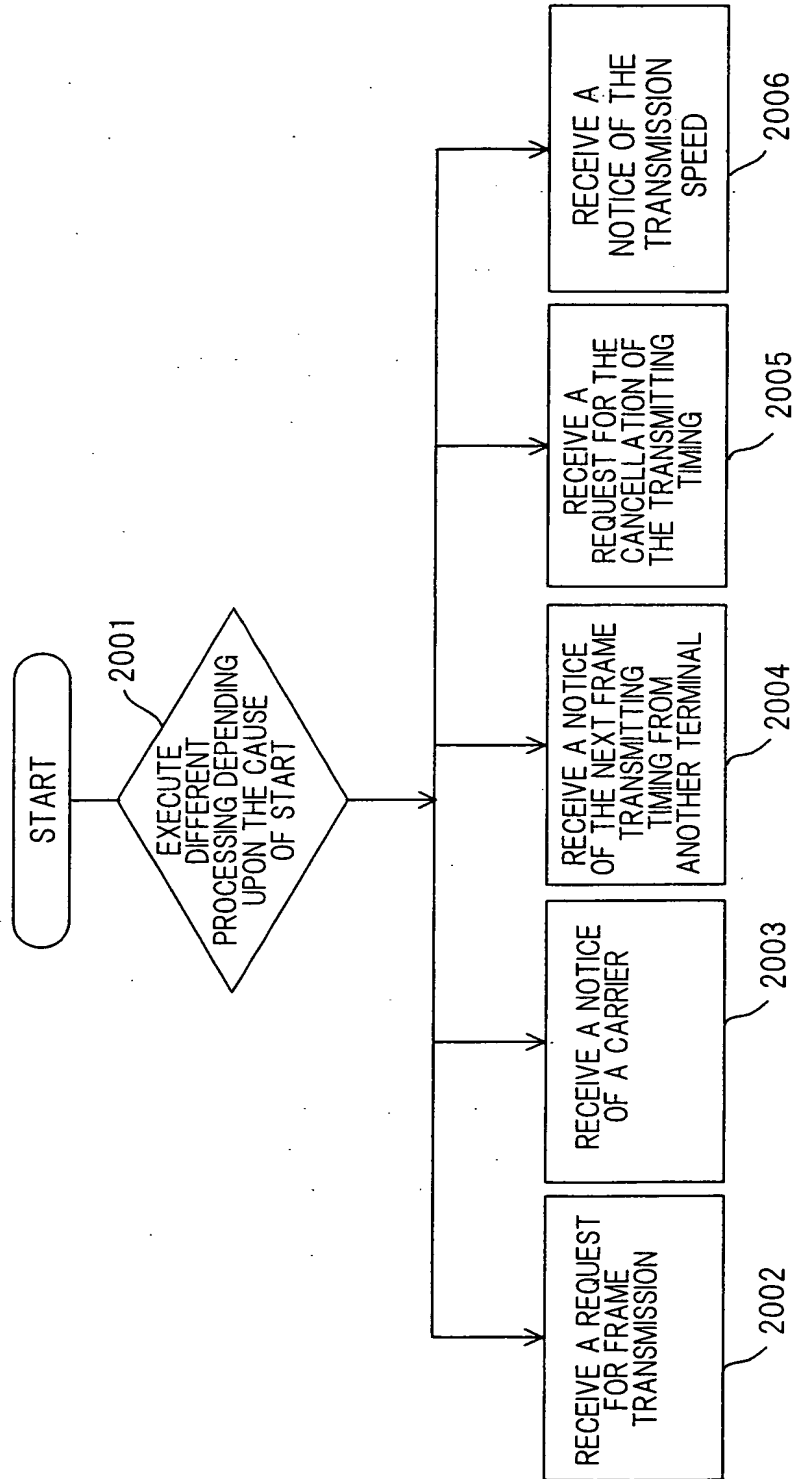




FIG. 11

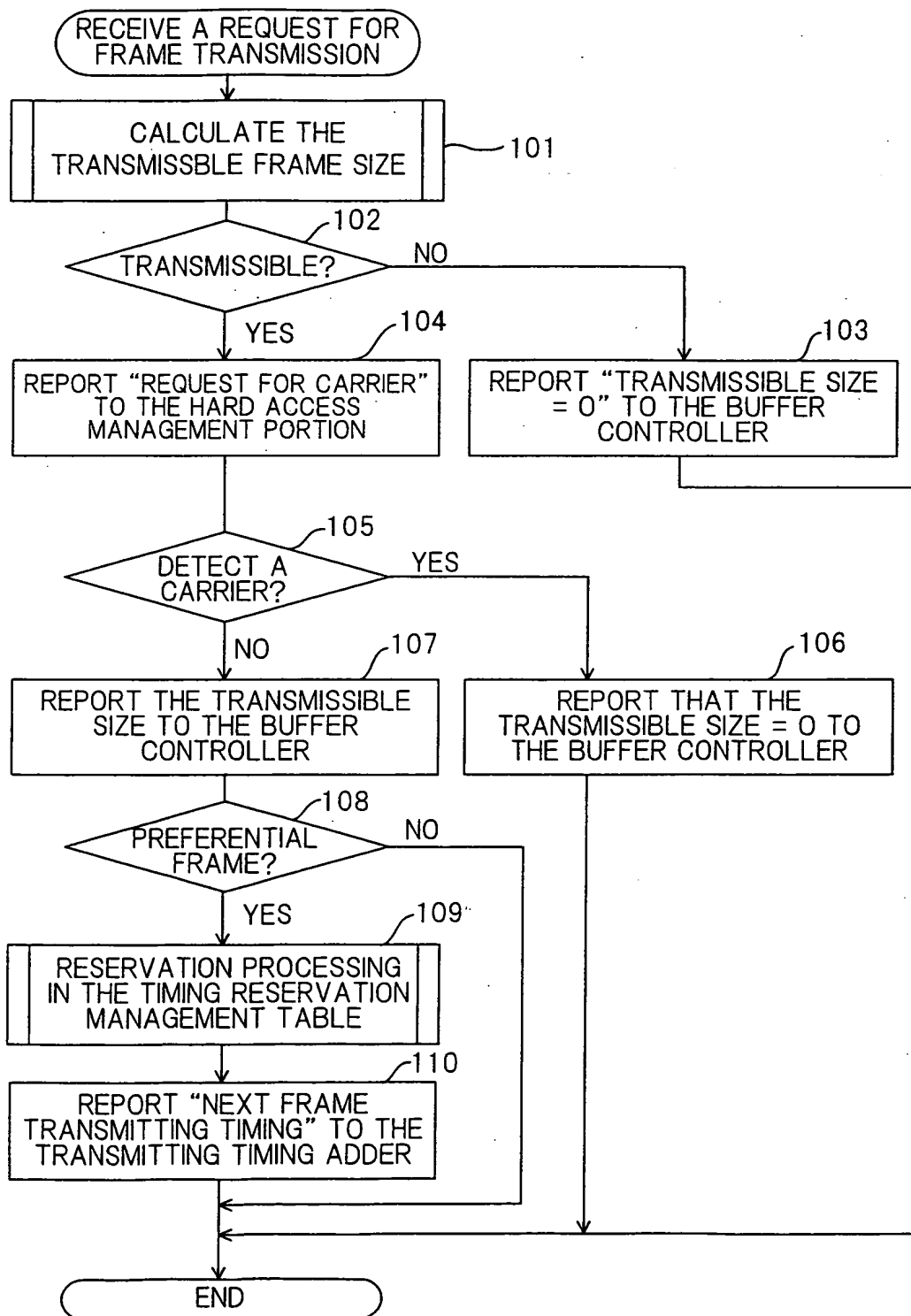
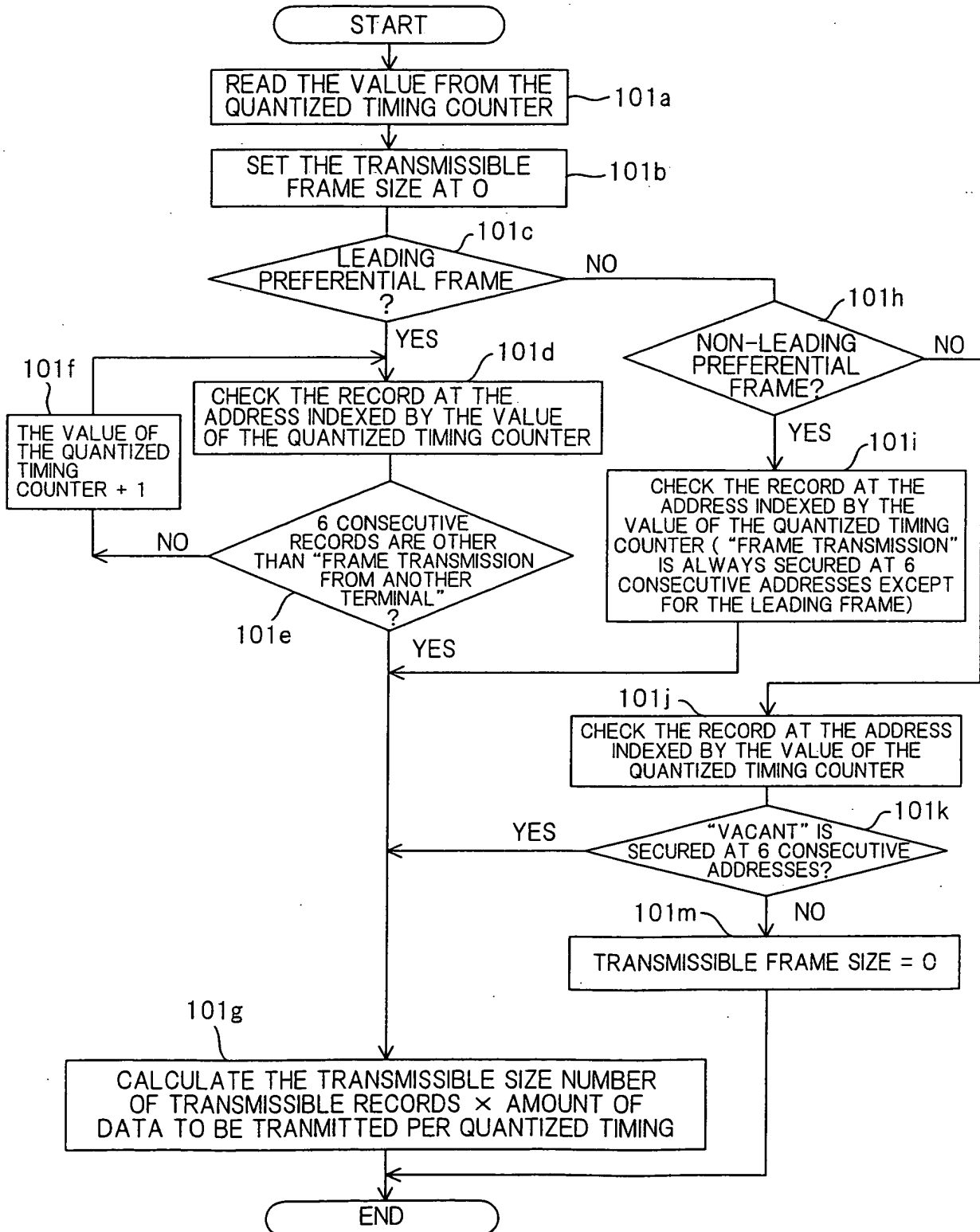


FIG. 12



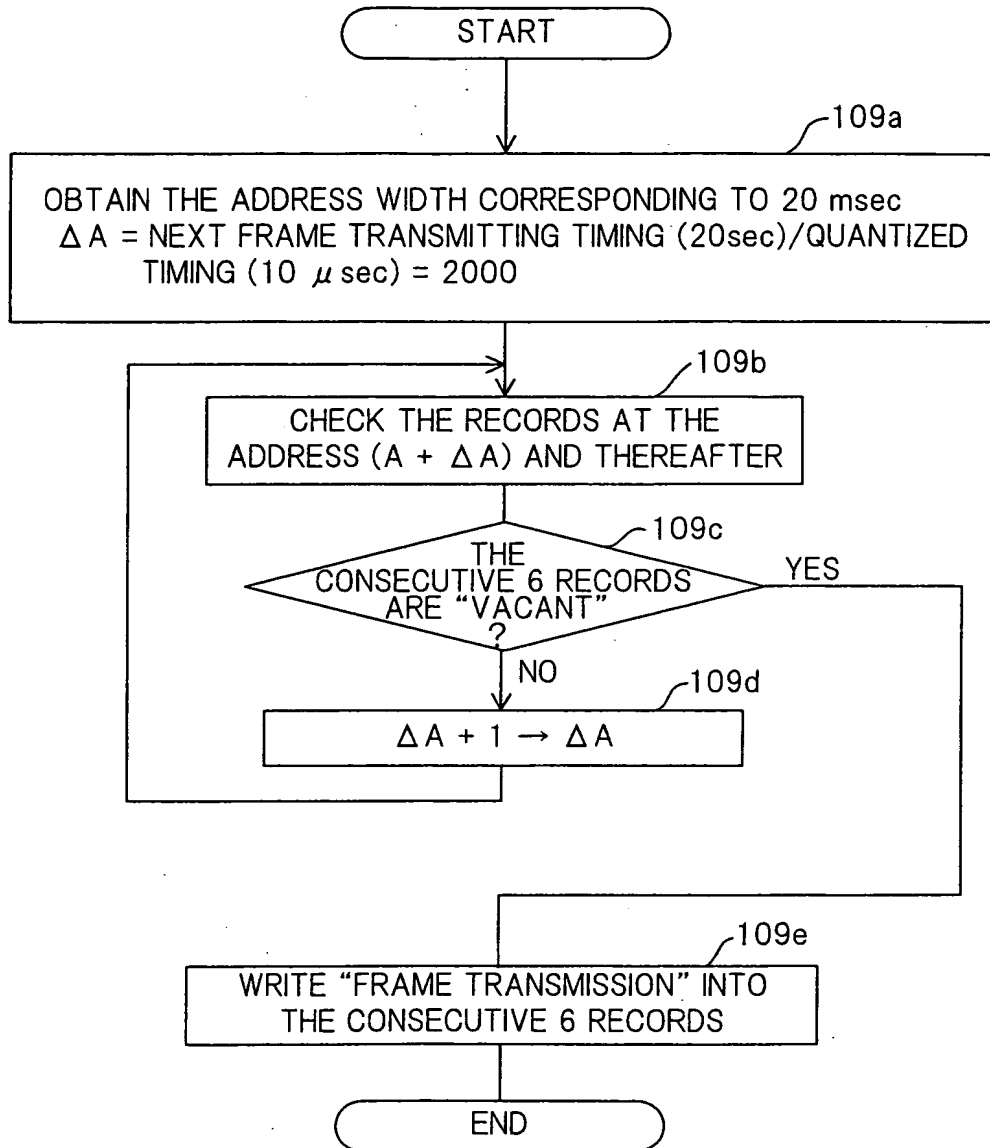
*FIG. 13*

FIG. 14A

0

MSG
TYPE
Length

MSG: MESSAGE TYPE  
04: FRAME ASSEMBLY  
TYPE: FRAME TYPE  
01: PREFERENTIAL FRAME (LEADING)  
02: PREFERENTIAL FRAME (NON-LEADING)  
03: GENERAL FRAME  
Length: SIZE OF FRAME TO BE TRANSMITTED

FIG. 14B

0

MSG
TYPE

MSG: MESSAGE TYPE  
05: END OF FRAME ASSEMBLY  
TYPE: FRAME TYPE  
01: PREFERENTIAL FRAME (LEADING)  
02: PREFERENTIAL FRAME (NON-LEADING)  
03: GENERAL FRAME

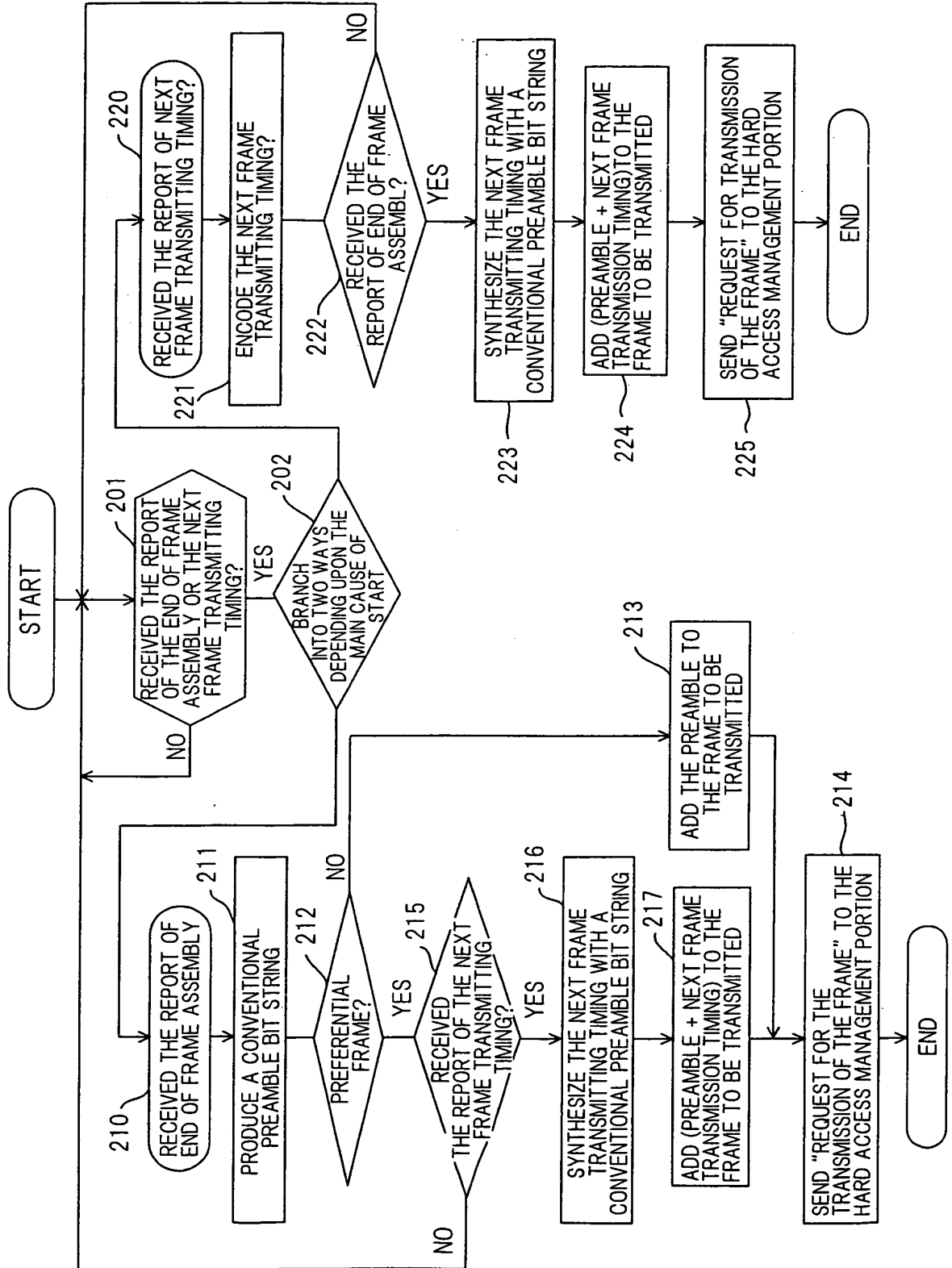
FIG. 14C

0

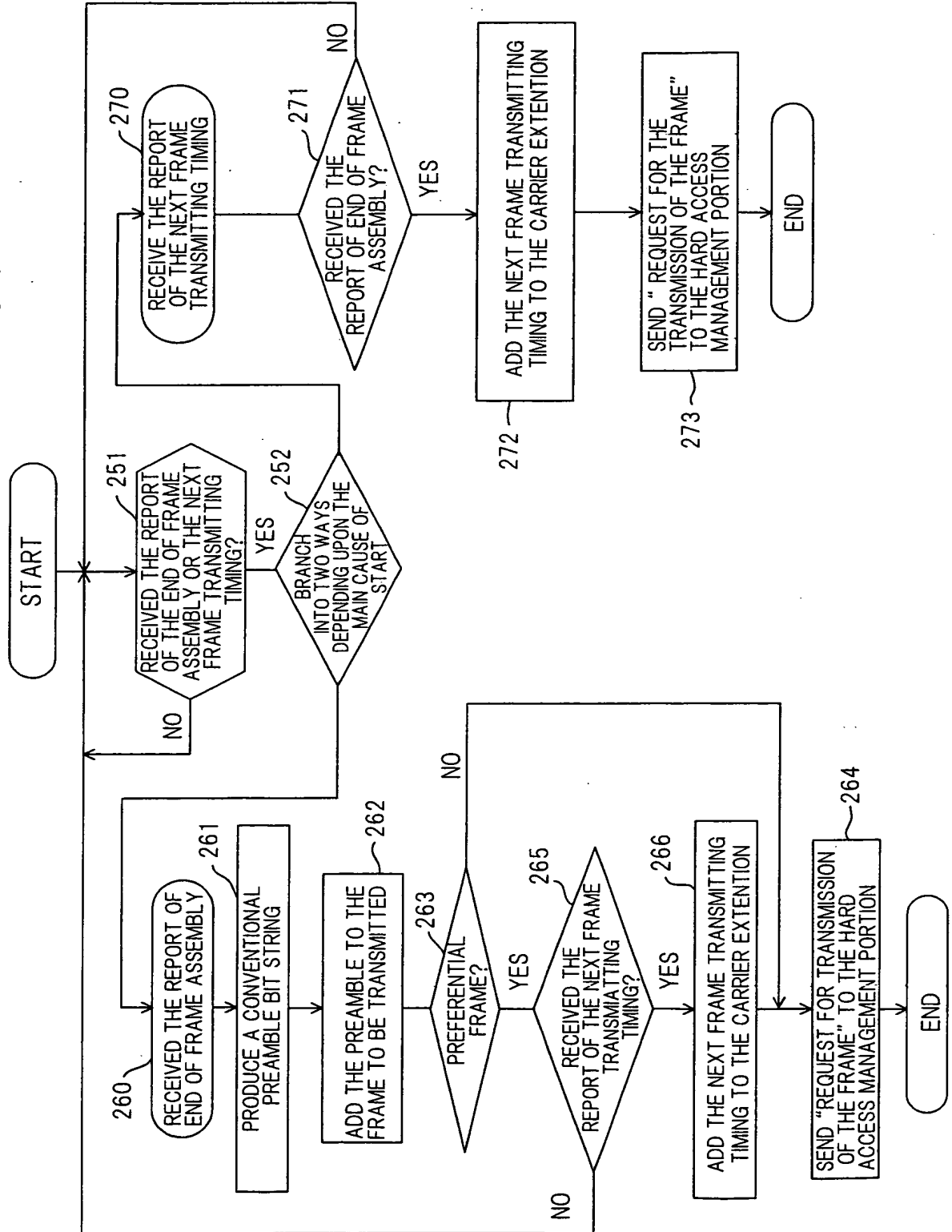
MSG
TYPE
Next-Frame

MSG: MESSAGE TYPE  
06: REQUEST FOR THE  
TRANSMISSION OF FRAME  
TYPE: FRAME TYPE  
01: PREFERENTIAL FRAME (LEADING)  
02: PREFERENTIAL FRAME (NON-LEADING)  
03: GENERAL FRAME  
Next-Frame: NEXT FRAME TRANSMITTING TIMING

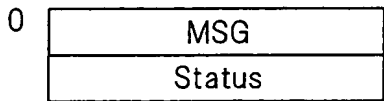
FIG. 15



**FIG. 16**

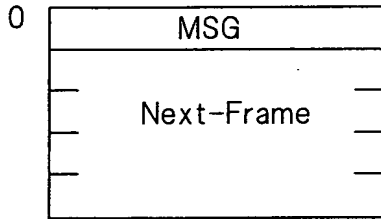


**FIG. 17A**



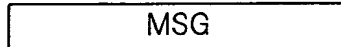
```
MSG: MESSAGE TYPE
      OB: REPORT THE RESULT OF
          FRAME TRANSMISSION
Status: TRANSMISSION STATUS
      01: NORMAL TRANSMISSION IS FINISHED
      02: A COLLISION IS DETECTED
```

**FIG. 17B**



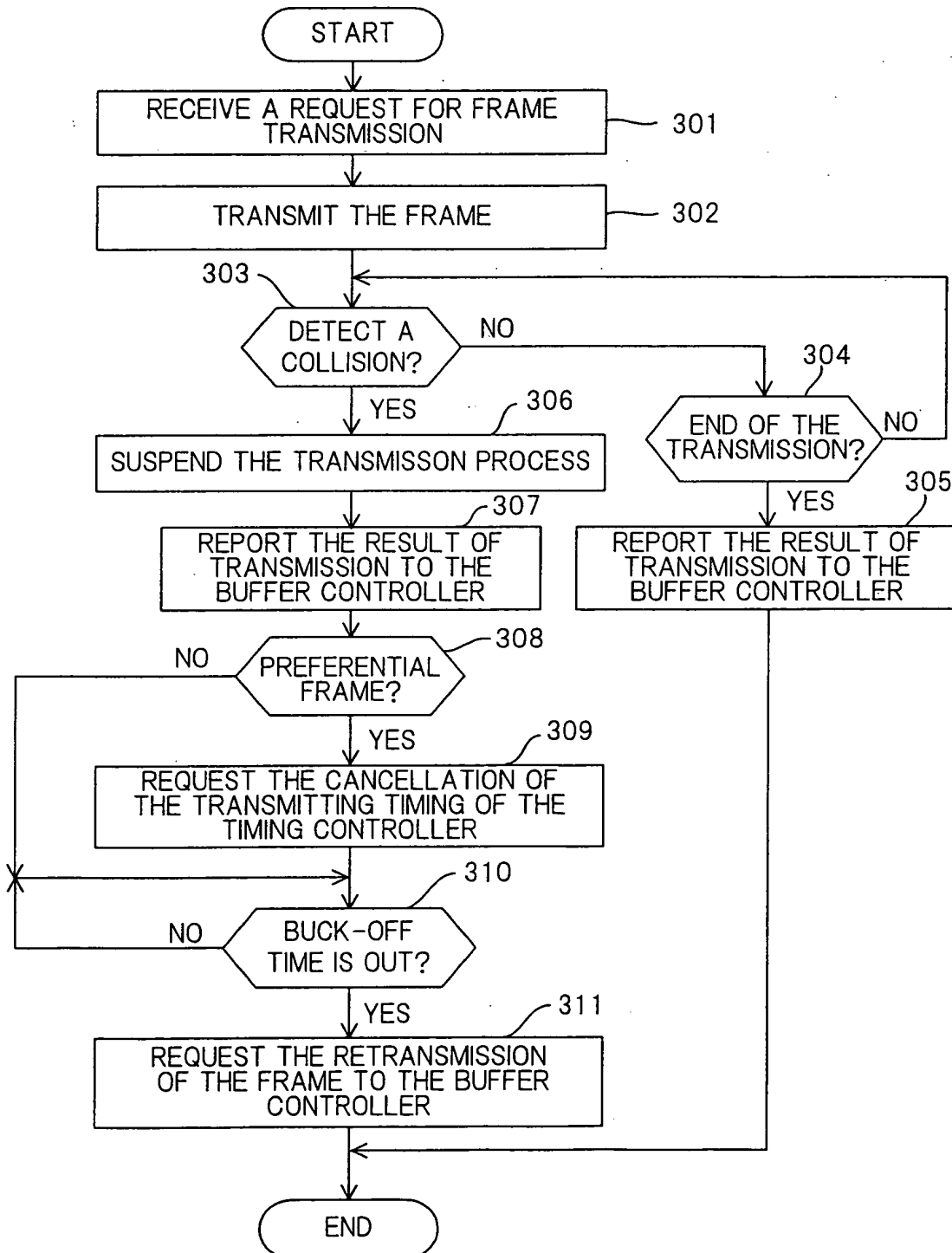
MSG: MESSAGE TYPE  
 OA: REQUEST FOR CANCELLATION OF  
 TRANSMITTING TIMING  
 Next-Frame: NEXT FRAME TRANSMITTING TIMING

**FIG. 17C**

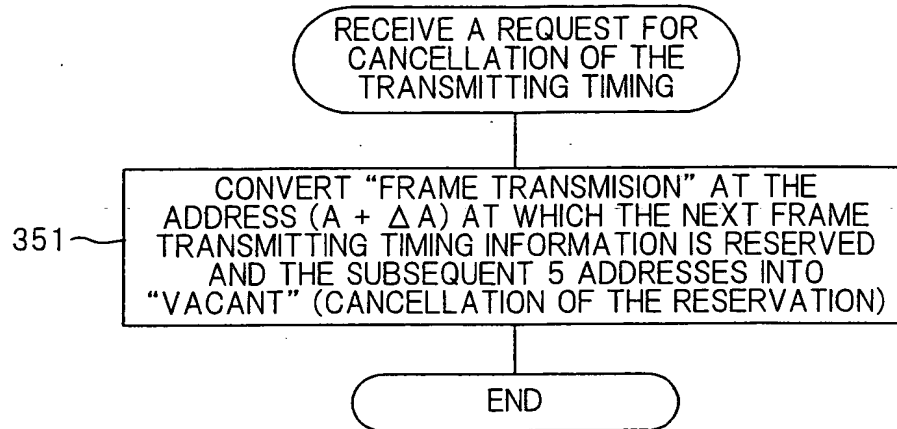
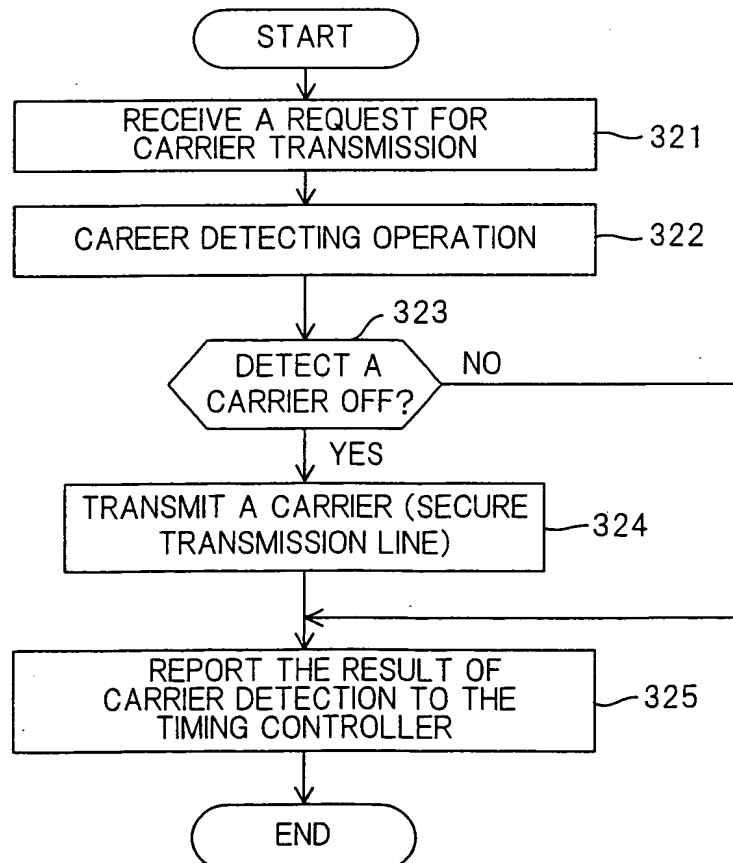


MSG: MESSAGE TYPE  
OC: REQUEST FOR RETRANSMISSION  
OF FRAME

FIG. 18





**FIG. 19****FIG. 20**

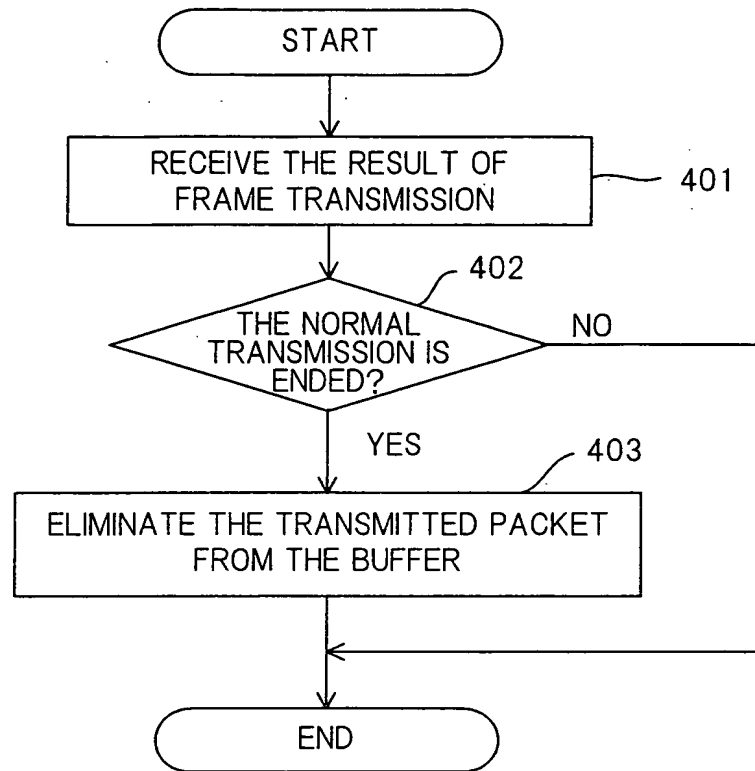
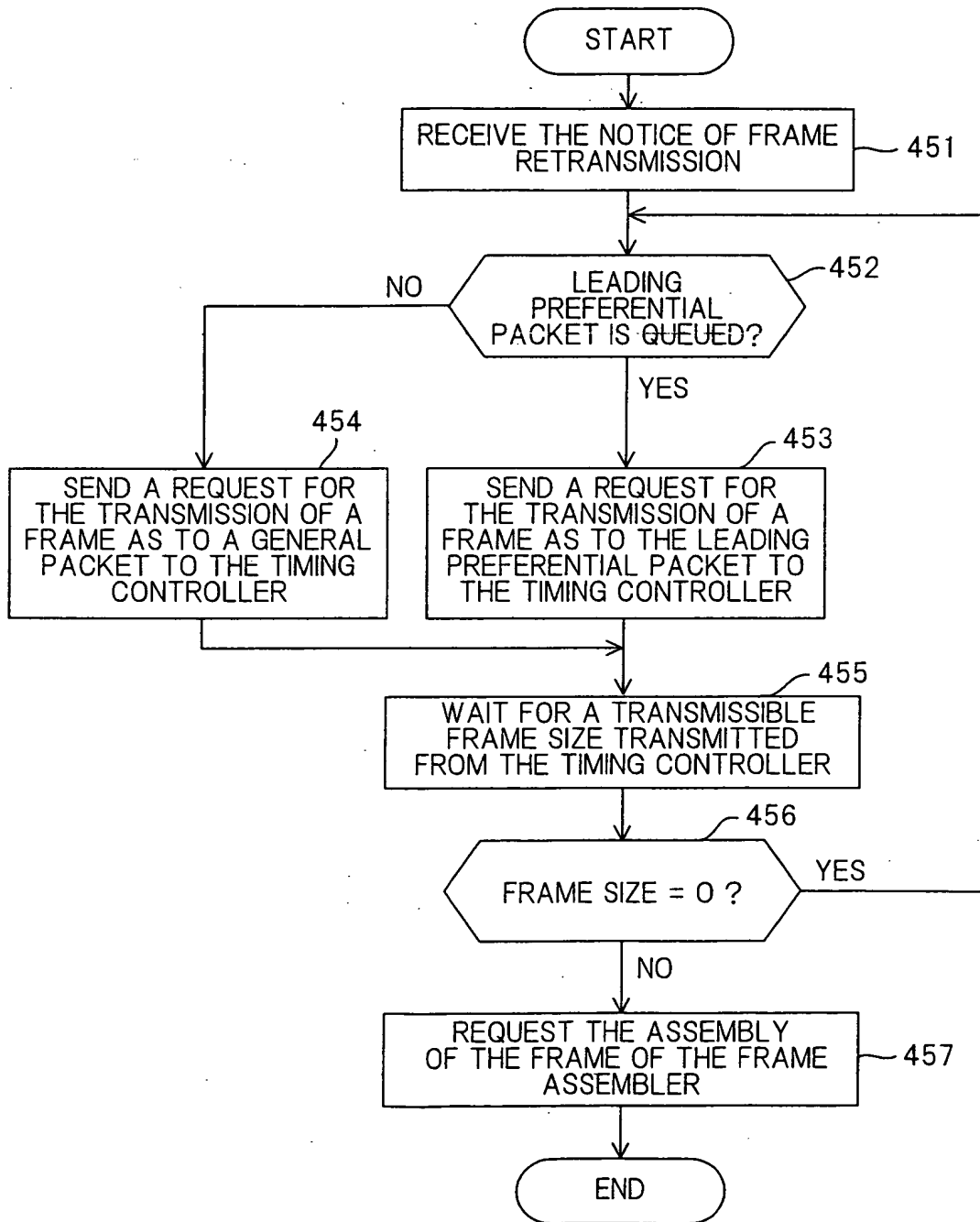
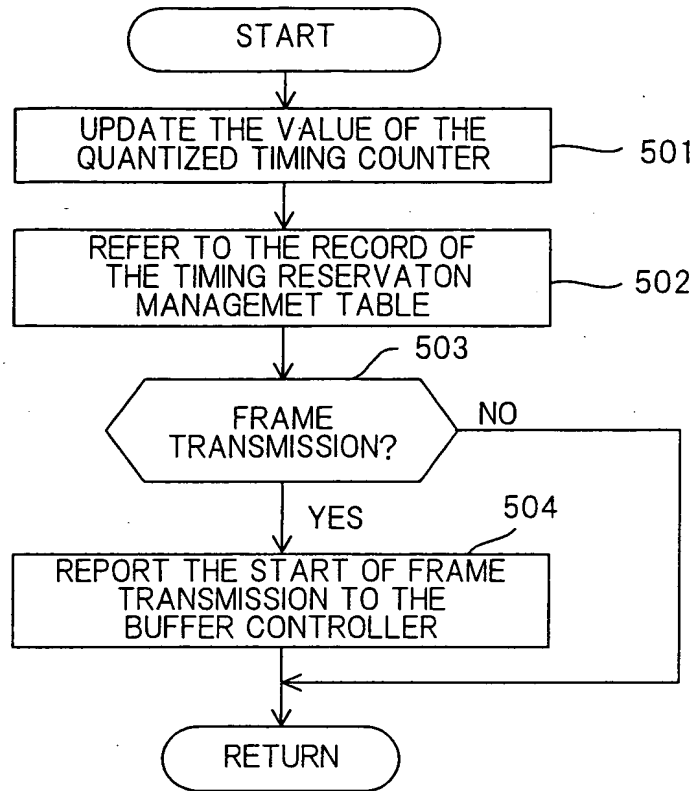
*FIG. 21*

FIG. 22



**FIG. 23****FIG. 24**

MSG
-----

MSG: MESSAGE TYPE  
 OD: REPORT OF THE START  
 OF FRAME TRANSMISSION

FIG. 25

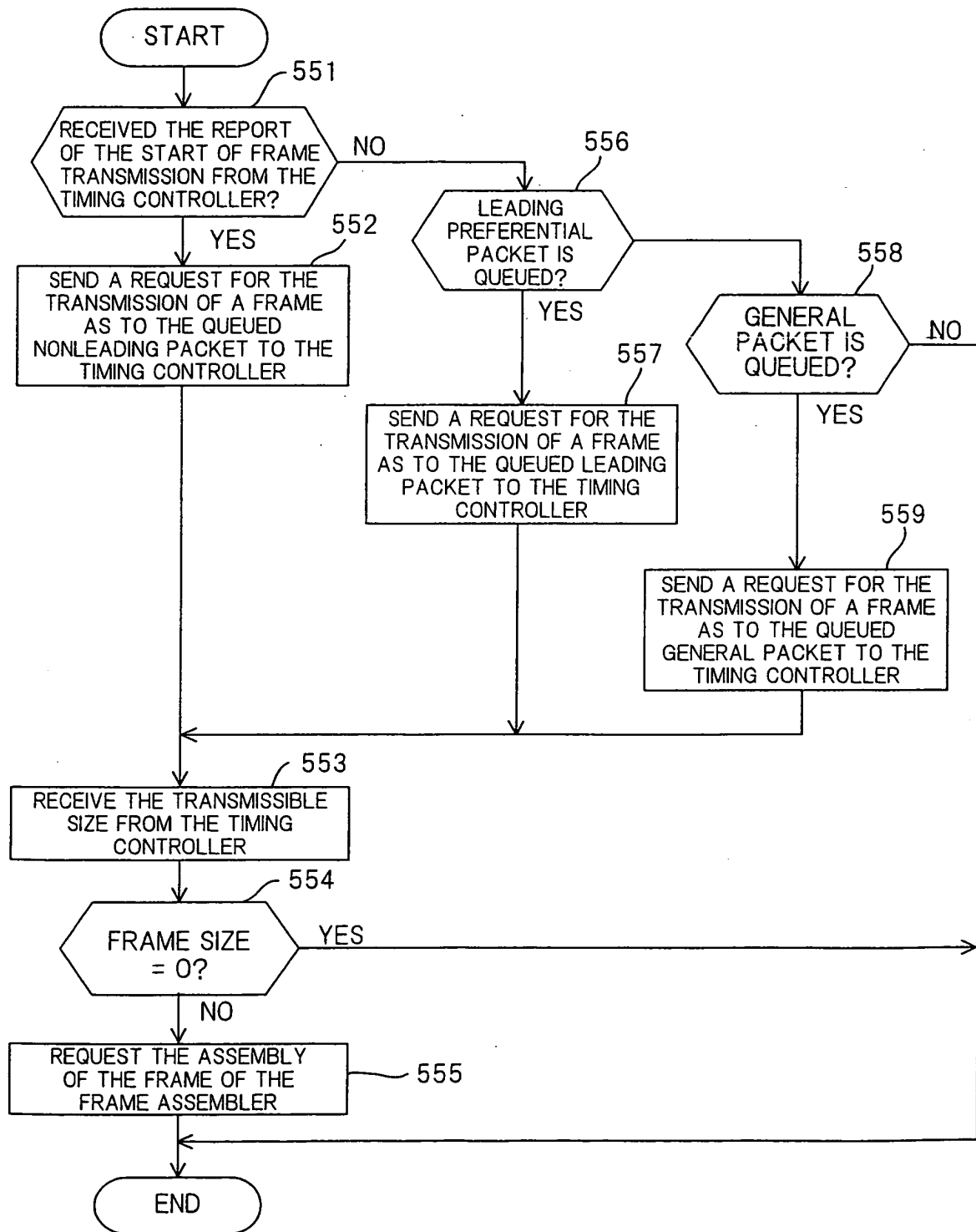
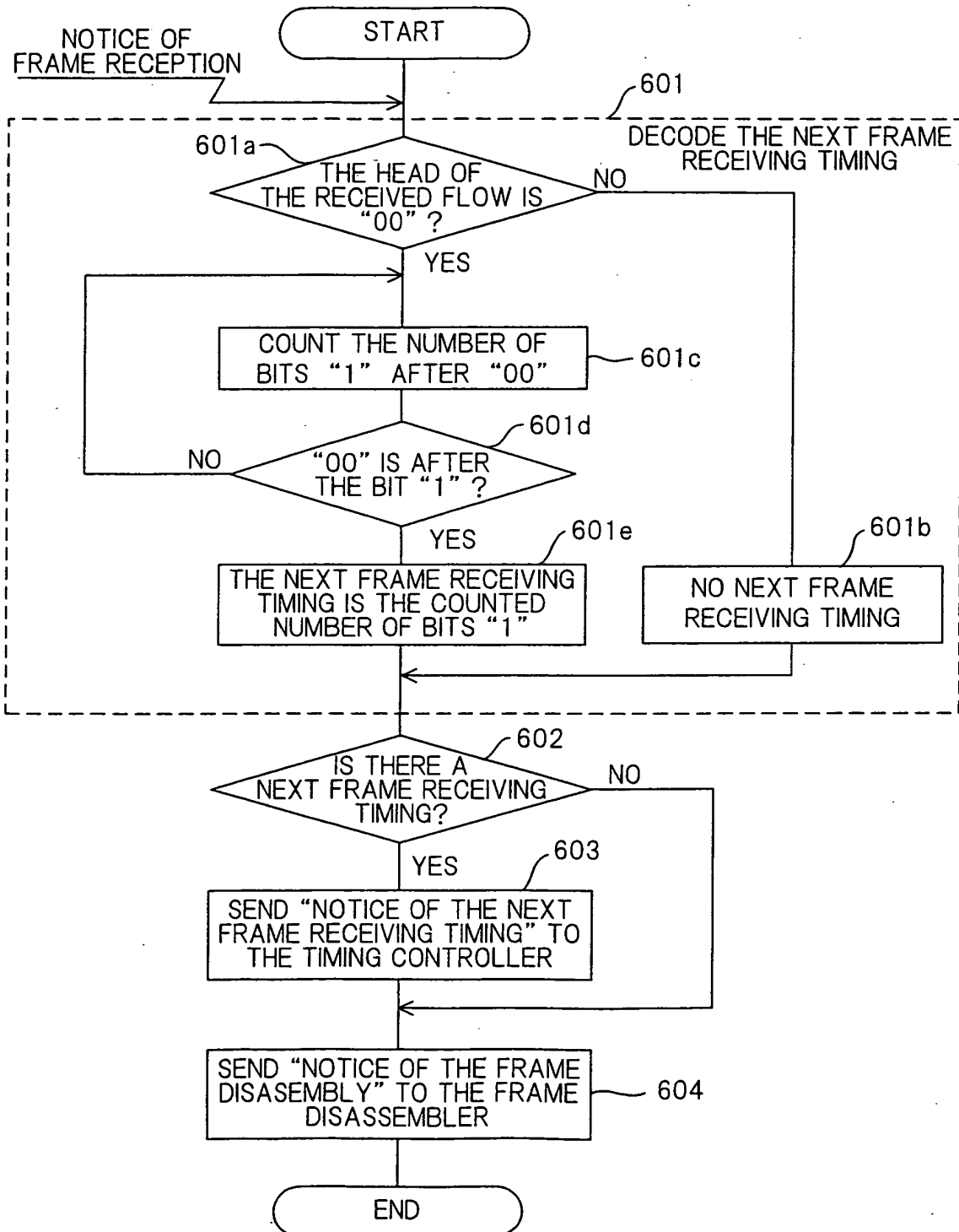
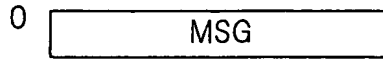


FIG. 26

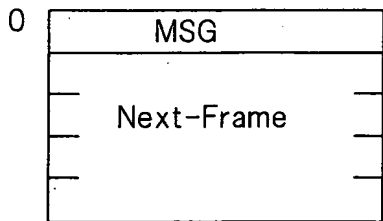


**FIG. 27A**



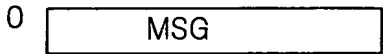
MSG: MESSAGE TYPE  
07: RECEIVE FRAME

**FIG. 27B**



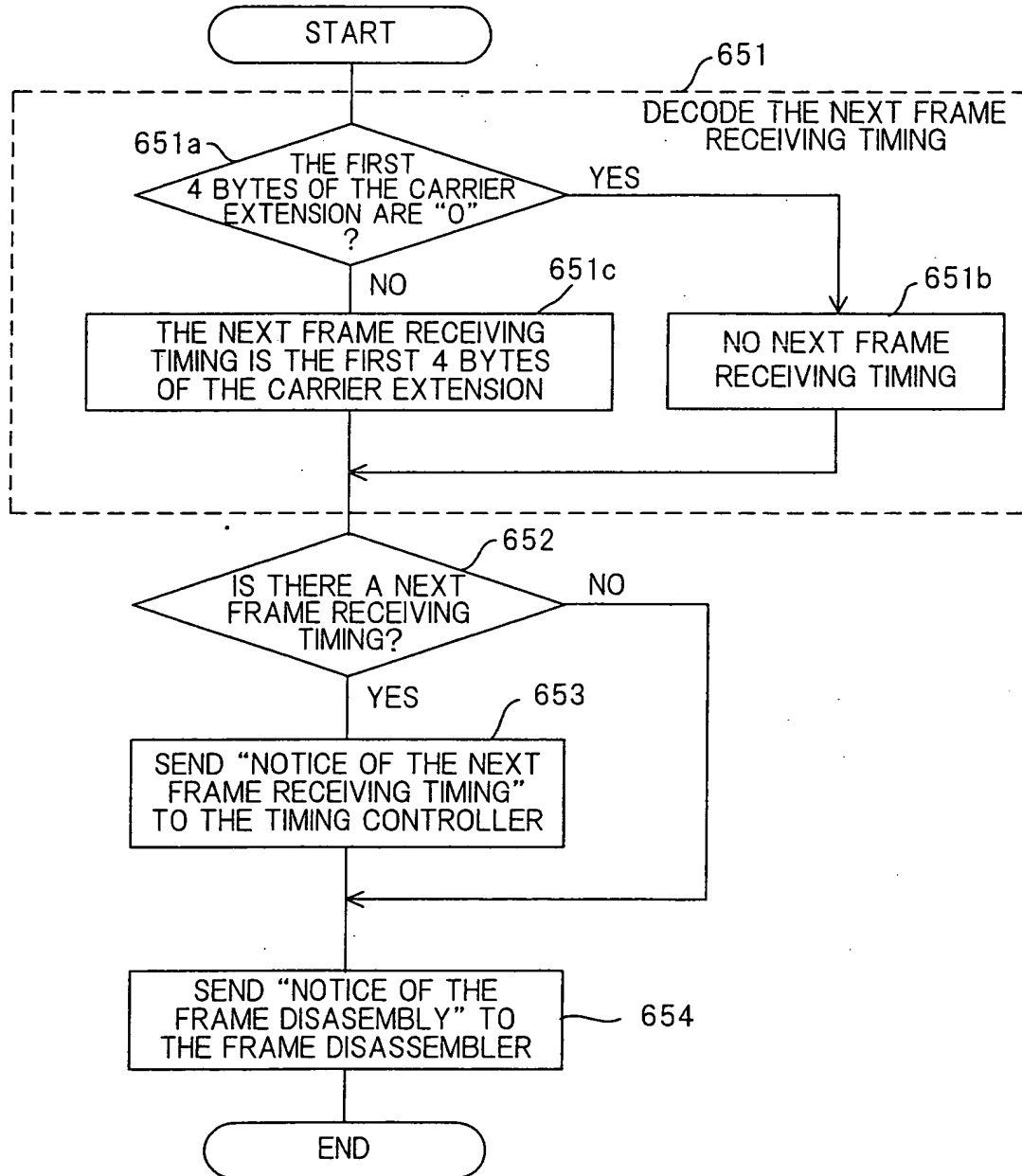
MSG: MESSAGE TYPE  
O8: RECEIVE TIMING  
Next-Frame: NEXT FRAME RECEIVING TIMING

**FIG. 27C**

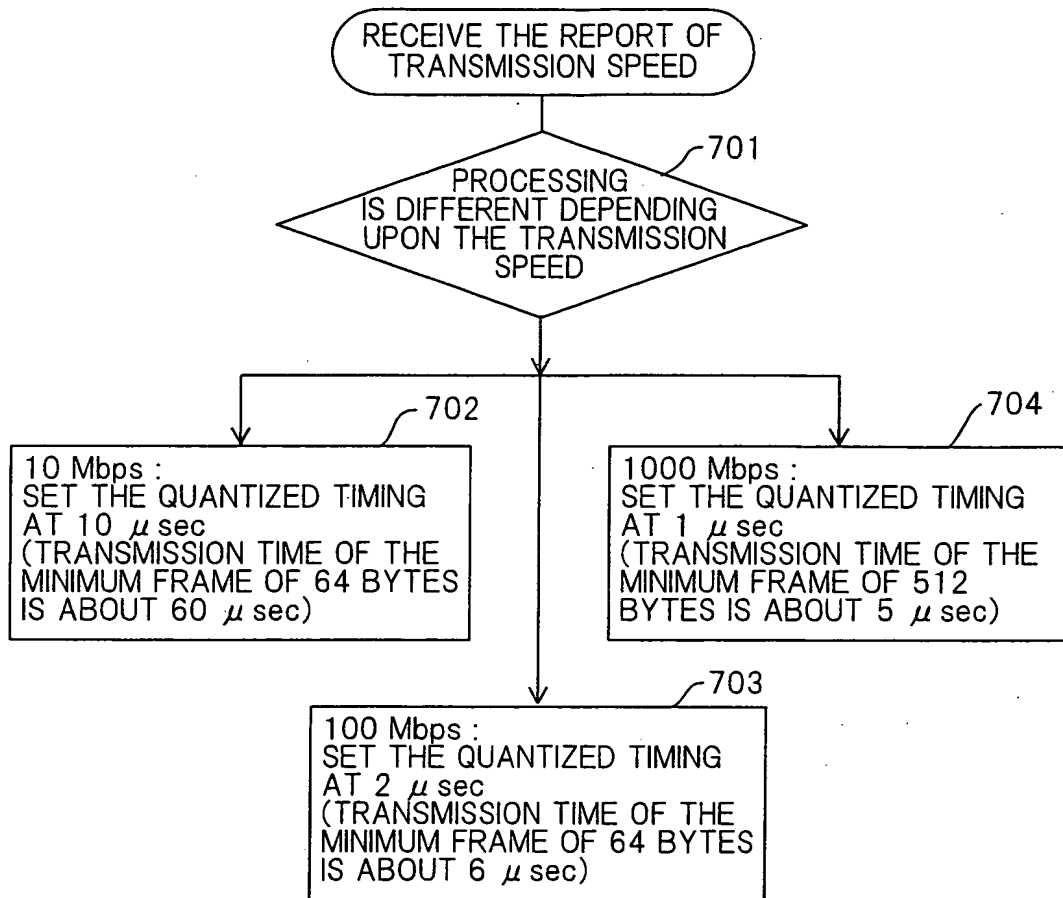


MSG: MESSAGE TYPE  
09: REQEUST FOR FRAME DISASSEMBLY

FIG. 28





**FIG. 29****FIG. 30**

0	MSG
	Speed

MSG: MESSAGE TYPE

OE: REPORT OF TRANSMISSION SPEED

Speed: 01 10Mbps  
 02 100Mbps  
 03 1000Mbps

FIG. 31

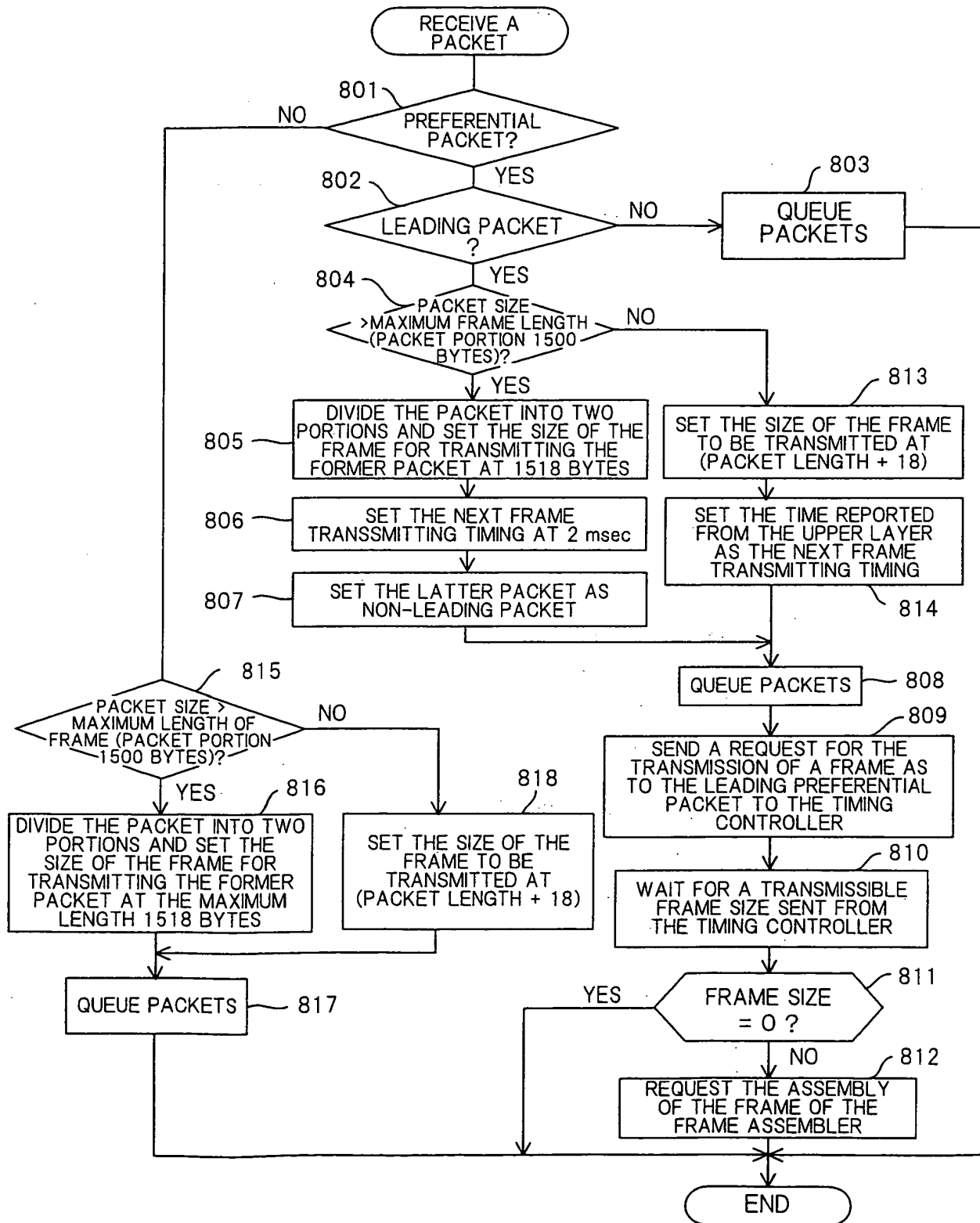


FIG. 32

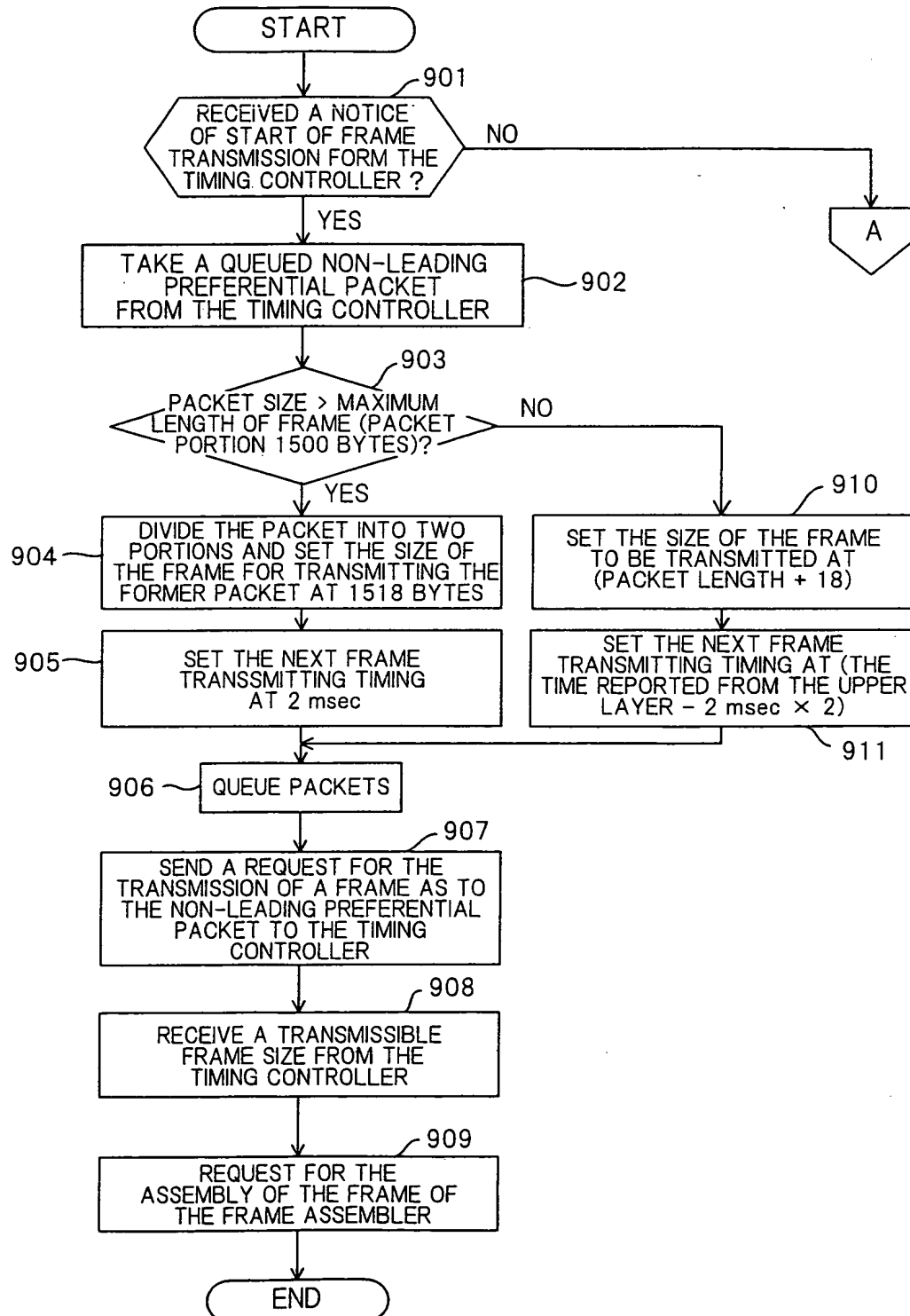
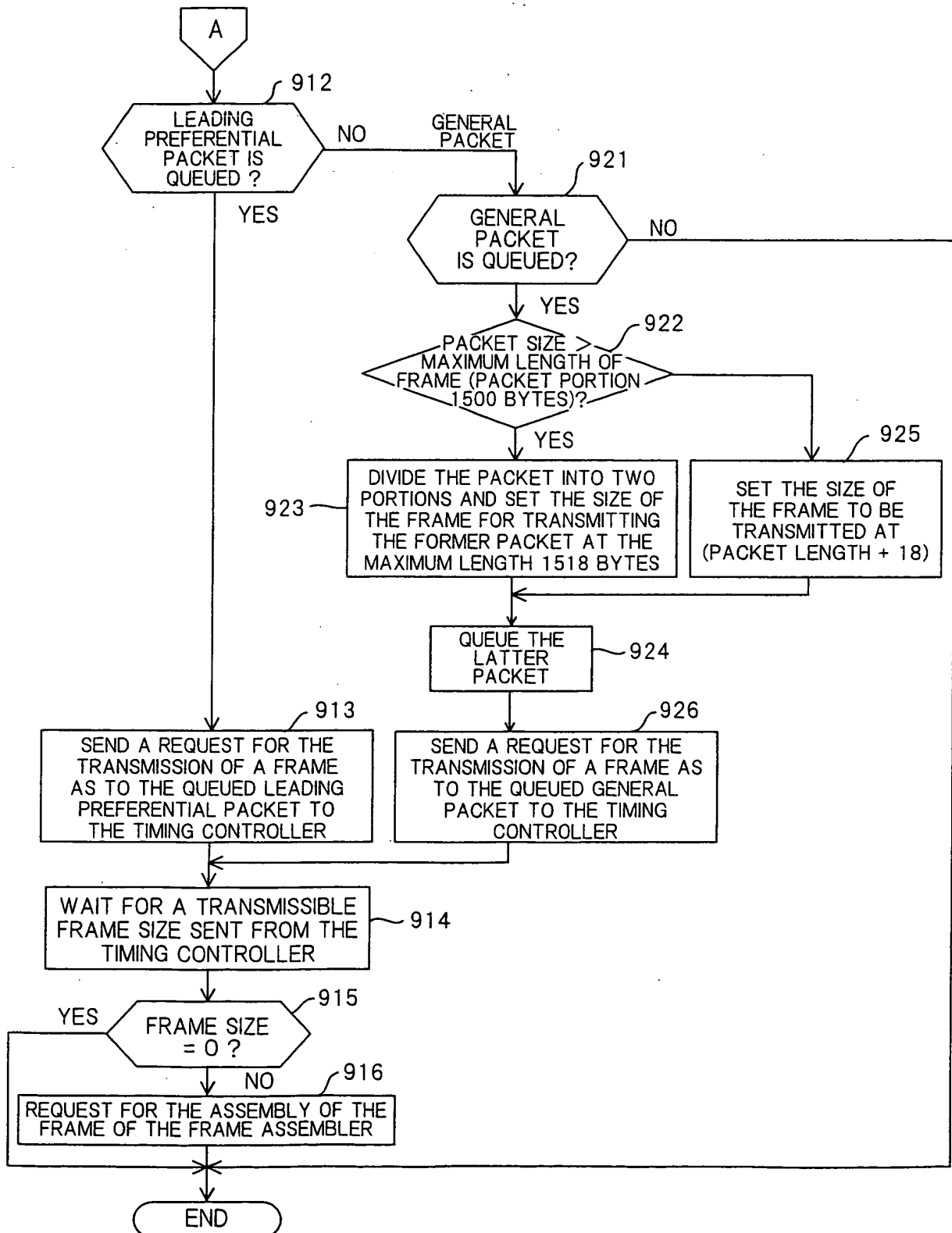
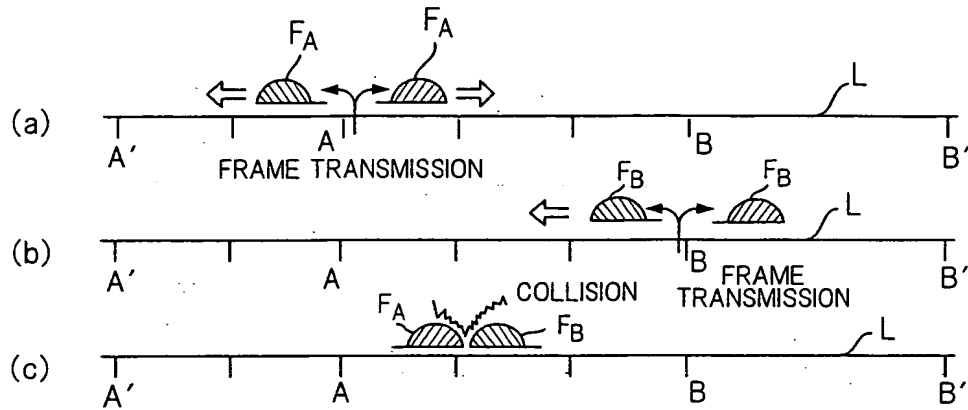
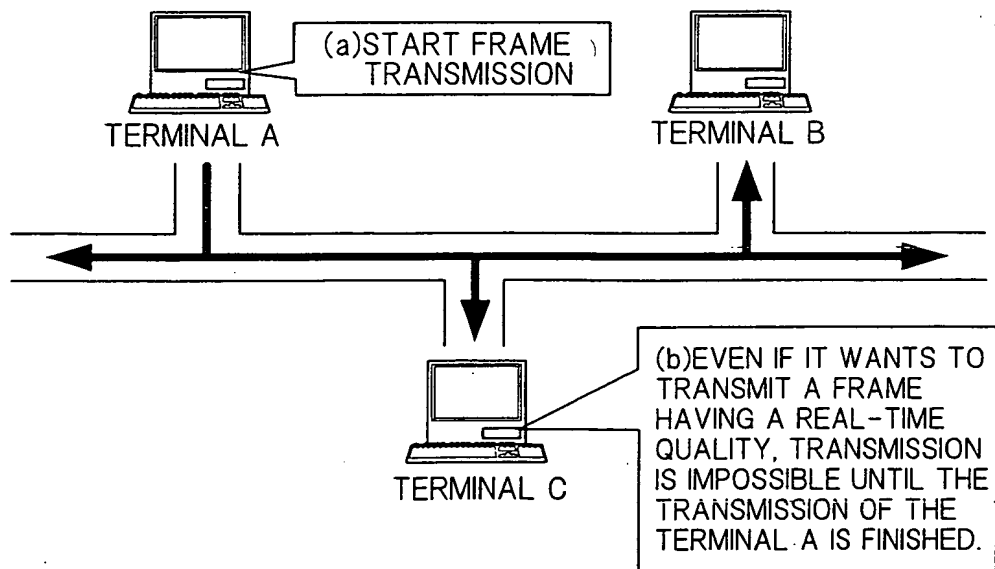
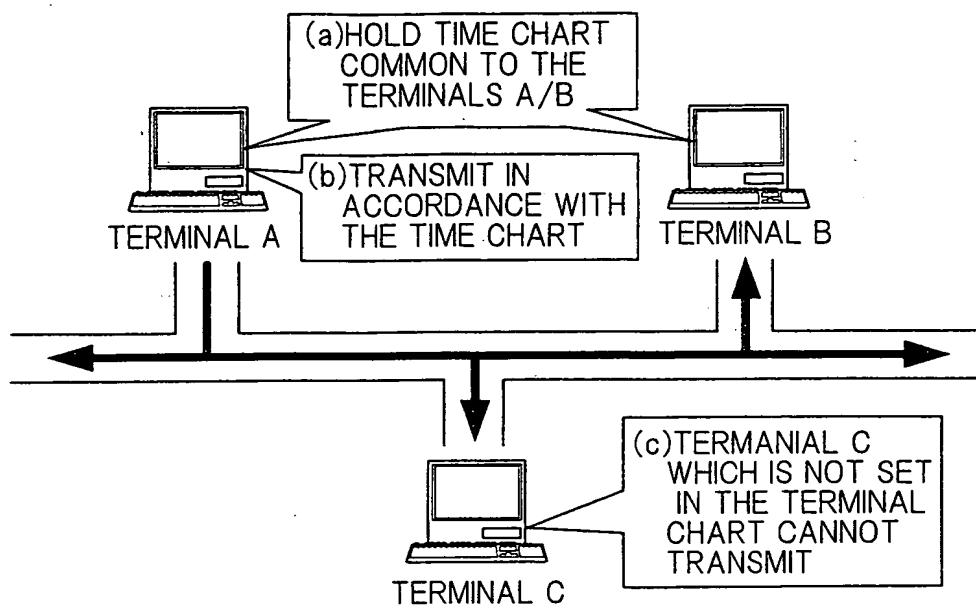


FIG. 33



*FIG. 34 PRIOR ART**FIG. 35 PRIOR ART*

*FIG. 36 PRIOR ART*



*FIG. 37 PRIOR ART*

